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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Sherie L. Morrison, et al.
Serial No. :
Filed :
For : CHIMERIC RECEPTORS BY DNA SPLICING
AND EXPRESSION
Group :
Examiner :

New York, New York
March 22, 1991

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Applicants have filed a continuation of
application serial no. 07/441,189 and now request amendment
of the application.

IN THE TITLE OF THE INVENTION

Before "RECEPTORS" delete --CHIMERIC--.

IN THE CLAIMS

Kindly amend the claims as follows:

39. A method for producing a receptor having two-subunits, which comprises:

transfected a mammalian cell with a DNA sequence coding for one of the subunits of the receptor;

transfected the cell with a second DNA sequence coding for another of the subunits of the receptor;

maintaining the cell in a nutrient medium, whereby the cell expresses the DNA sequences and the resultant subunits are intracellularly bound together to form a receptor.

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40. A method as recited in claim 39 wherein the cell is transfected via protoplast fusion.

41. A method as recited in claim 39 wherein the cell is transfected via calcium phosphate precipitation.

42. A method as recited in claim 39 wherein the cell is a lymphoid cell.

43. A method as recited in claim 42 wherein the cell is a myeloma cell.

44. A method as recited in claim 43 wherein the cell is a murine myeloma cell.

45. A method as recited in claim 43 wherein the cell does not produce any endogenous immunoglobulin chains.

46. A method as recited in claim 45 wherein the cell is a murine P₃ cell.

47. A method as recited in claim 43 wherein the cell endogenously produces only an immunoglobulin light chain or an immunoglobulin heavy chain.

48. A method as recited in claim 47 wherein the cell is a murine J558L cell.

49. A receptor produced by the method of claim 39.

50. A receptor as recited in claim 49 comprising a molecule selected from the following group consisting of major histocompatibility complex class I, major

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Control
Sub E37
cont.

major histocompatibility complex class I, major histocompatibility complex class II, antibody, T cell receptor and CD8.

51. A receptor as recited in claim 49 wherein the receptor is a ~~chimeric~~ antibody having a variable region substantially the same as that found in a first mammalian source and having a constant region substantially the same as that found in a second mammalian source.

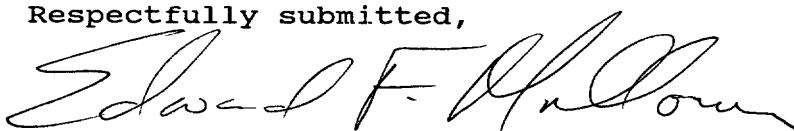
Please cancel claims 14 - 38.

REMARKS

Applicants have added new claims 39 - 51. These claims are directed to a method for producing a receptor having two subunits and to the product of that method. These claims do not constitute new matter.

Applicants are preparing and will promptly file with the office a Supplemental Preliminary Amendment setting forth the bases for patentability of these claims over prior art which has been cited in the prior applications.

Respectfully submitted,



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